Monitoring Data Record

Project Title: R-2719A Crescent Road	COE Action ID: <u>200802460</u>						
WQC Number:003763							
Stream Name: <u>UT to Falling Creek</u>							
City, County and other Location Informatio	n: <u>UT to Falling Creek is located at the intersection</u>						
of the future Crescent Road and US 70 in Kinston, Lenoir Co.							
Date Construction Completed: <u>3/3/11</u>	Monitoring Year: (1) of 5						
Ecoregion:	8 digit HUC unit <u>03020202</u>						
USGS Quad Name and Coordinates:							
Rosgen Classification:							
Length of Project: 2,393' Urban or Ru	ral: Rural Watershed Size:						
Monitoring DATA collected by: M. Green a	and J. Young						
Date: 1/31/12							
Applicant Information:							
Name: NCDOT Roadside Environmental Unit							
Address: 1425 Rock Quarry Road Raleigh, NC 27610							
Telephone Number: (919) 861-3772	Email address: <u>mlgreen@ncdot.gov</u>						
Consultant Information:							
Name:							
Address:							
	Email address:						
Project Status: <u>Complete</u>							
requirements. Monitoring shall be performed to year period following completion of the work plant survival determinations, and visual inspective years, provided at least two bankfull events have not occurred by the end of DWQ's discretion, cease further monitoring of different monitoring years. The permittee shall monitor the onsite buffer is and photo evidence. An annual report shall be monitoring results, survival rate/success of through the riparian buffer has been maintained year of final planting. Failure to achieve a buffer the annual report to provide appropriate results.							
of the vegetation plots, and 2 overview ph	s at this site: t locations along the channel, 4 photos were taken notos were taken of the site						
Dates reference photos have been taken a	t this site: 1/31/12						

Individual from whom additional photos can be obtained (name, address, phone):						
Other Information relative to site photo reference: A site map with vegetation plot and photo point locations is included with this report.						
Section 2. PLANT SURVIVAL Attach plan sheet indicating reference photos.						
Identify specific problem areas (missing, stressed, damaged or dead plantings):						
Estimated causes, and proposed/required remedial action:						
ADDITIONAL COMMENTS: Planting was completed at this stream restoration project in March						
2011. Type I – Elderberry and Silky Dogwood. Type II – River Birch, Green Ash, Overcup Oak, and						
Swamp Chestnut Oak were planted at the site. There were four 50 x 50 foot vegetation plots set						
throughout the buffer area to determine how many trees per acre are surviving in the growing season.						
Year 1 summer plant survival counts will be completed during the summer of 2012.						

If required to complete Level 1 and Level 2 monitoring <u>only</u> stop here; otherwise, complete section 3.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. <u>Physical measurements of channel stability/morphology will not be required.</u> Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

<u>UT to Falling Creek is stabilized for the Year 1 Winter evaluation.</u> NCDOT will continue to monitor UT to Falling Creek stream mitigation site.

Date	Station	Station	Station	Station	Station
	Number	Number	Number	Number	Number
Structure					
Type					
Is water					
piping					
through or					
around					
structure?					
Head cut or					
down cut					
present?					
Bank or scour					
erosion					
present?					
Other					
problems					
noted?					

Section 4. DEBIT LEDGER

The entire UT to Falling Creek stream mitigation site was used for the R-2719A project to compensate for unavoidable stream impacts.

UT to Falling Creek



Photo Point #1 (Upstream)



Photo Point #1 (Downstream)



Photo Point #2 (Upstream)



Photo Point #2 (Downstream)



Photo Point #3 (Upstream)



Photo Point #3 (Downstream)

Year 1 Winter - January 2012

UT to Falling Creek



Photo Point #4 (Upstream)



Photo Point #5 (Upstream)



Photo Point #6 (Upstream)

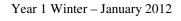




Photo Point #4 (Downstream)



Photo Point #5 (Downstream)



Photo Point #6 (Downstream)

UT to Falling Creek



Vegetation Plot #1



Vegetation Plot #3



Overview photo looking upstream



Vegetation Plot #2



Vegetation Plot #4



Overview photo looking downstream

Year 1 Winter - January 2012

